



**South Coast  
Air Quality Management District**  
21865 Copley Drive, Diamond Bar, CA 91765-4178  
(909) 396-2000 • <http://www.aqmd.gov>

**NOTICE OF INTENT TO ISSUE “PERMIT TO CONSTRUCT”  
PURSUANT TO AQMD RULE 212 AND  
PROPOSED REVISION TO TITLE V PERMIT**

This notice is to inform you that the South Coast Air Quality Management District (AQMD) has received applications for permits to construct or modify equipment at the BP West Coast Products refinery in Carson. The AQMD is the air pollution control agency for the four county-region including all of Orange County and non-desert portions of Los Angeles, Riverside and San Bernardino counties. Anyone wishing to install or modify equipment which could release or control air pollution within this region must first obtain a permit from the AQMD. Rule 212 requires the applicant for certain projects to distribute a public notice prepared by the AQMD prior to the issuance of a permit. This notice is being issued because the maximum potential emissions for the project exceed the notification levels specified in Rule 212(g). Rule 3006 also requires publication of a public notice prior to a significant revision of the Title V permit.

The AQMD has evaluated the permit applications for the following equipment and has determined that the equipment will meet the requirements of all applicable air quality Rules and Regulations.

**APPLICANT:** **BP West Coast Products LLC**  
**FACILITY LOCATION:** **2350 E. 223<sup>rd</sup> Street, Carson, CA 90810**  
**Facility ID: 131003**  
**PROJECT DESCRIPTION:** **Construction of a new cogeneration unit and associated air pollution control system; revision of permit conditions for four existing cogeneration units**

Application No.	Equipment	Application(s) for
496922 496924 508474	Cogeneration Unit No. 5 Cogeneration Unit No. 5 Air Pollution Control System (APCS) Aqueous Ammonia Storage Tank	Construction of a new 85-megawatt cogeneration unit consisting of a combustion turbine generator, heat recovery steam generator with duct burner, and an air pollution control system.
508456 508471 508472 508473	Cogeneration Unit No. 1 Cogeneration Unit No. 2 Cogeneration Unit No. 3 Cogeneration Unit No. 4	Change of condition applications for adoption of a condition limiting PM10 emissions from all five cogeneration units.

BP West Coast Products LLC (BP) operates a petroleum refinery at the above listed location, producing gasoline, diesel fuel, jet fuel, petroleum coke, and other refining products. Cogeneration Unit No. 5 is being proposed under a project entitled the “Watson Cogeneration Steam and Electric Reliability Project.” BP in conjunction with the Watson Cogeneration Company (Watson) has constructed and operated four cogeneration units at a site within the BP Carson Refinery since 1988. The new cogeneration unit will increase the electric generating capacity of the facility by approximately 85 MW<sub>e</sub>. It will supply electric power and steam to the refinery and will export excess generated power to the electric utility grid. It will increase the reliability of the Watson facility and reduce the risk of refinery upset due to loss of power. The project will also ensure that the refinery’s steam demand is fully met, even when one or two of the existing cogeneration units are out of service.

The new cogeneration unit will be equipped with the Best Available Control Technology (BACT) for controlling air pollution. Daily emissions from the new cogeneration unit will not exceed 287 pounds of nitrogen oxides (NOx), 238 pounds of particulate matter with diameter under 10 microns (PM10), 109 pounds of sulfur oxides (SOx), 151 pounds of volatile organic compounds (VOC), and 175 pounds of carbon monoxide (CO) during normal operation. The combined PM10 emissions from all five cogeneration units will not increase as a result of this project because they will be capped below the current combined limit for the four existing cogeneration units of 1244 lbs/day. The cogeneration unit will also emit small quantities of some toxic compounds. The AQMD has evaluated the short term (acute) and long term (chronic) health impacts associated with the maximum potential emissions of toxic compounds from the equipment. Using worst case conditions, our evaluation shows that the chronic and acute health risks are both well below our rule's toxic threshold (below a Hazard Index of 1). According to state health experts, a hazard index of one or less means that the surrounding community including the most sensitive individuals such as very young children and the elderly will not experience any adverse health impacts due to these emissions. In addition, the long term cancer risk due to emissions from this equipment complies with the AQMD risk thresholds.

The AQMD intends to revise the existing Title V permit for this facility to include permits for the above listed equipment. As required by Title V of the federal Clean Air Act, the Title V permits include all of the emissions limits, applicable requirements and operating conditions imposed on the equipment. The facilities are required to certify compliance with the Title V permit in addition to recordkeeping and mandatory reporting of any deviations from the permit conditions.

The proposed permits and air quality analysis are available for public review at the AQMD's headquarters in Diamond Bar and at the Carson Regional Library, 151 E. Carson Street, Carson, CA, 90745. A copy of the draft permit can also be viewed at <http://www.aqmd.gov/webappl/PublicNotices/Search.aspx> by entering the facility's ID number. Information regarding the facility's compliance history submitted to the AQMD pursuant to Health & Safety Code Section 42336, or otherwise known to the AQMD, based on credible information, is also available for public review at the AQMD headquarters.

**Anyone wishing to comment on the issuance of the proposed permits should submit their comments in writing by November 14, 2010. Written comments should be submitted to:**

South Coast Air Quality Management District  
Engineering and Compliance  
21865 Copley Drive  
Diamond Bar, CA 91765-4178  
Attention: Jay Chen, Senior Air Quality Engineering Manager

If you are concerned primarily with zoning decisions and the process by which this facility has been sited at this location, you should contact your local city or county planning department. For additional information, please contact Mr. Rafik Beshai at (909) 396-3611 or by email at [rbeshai@aqmd.gov](mailto:rbeshai@aqmd.gov).

The public may request that the AQMD conduct a public hearing on the proposed Title V permit, by submitting a Hearing Request Form (Form 500-G) to Mr. Jay Chen at the above AQMD address. The public hearing request must contain all the information requested on the form in order for the AQMD to determine whether or not the request is valid or a public hearing will be held. The public hearing request forms may be obtained from the AQMD by calling the Title V hotline at (909) 396-3013 or downloading from the Internet at <http://www.aqmd.gov/titlev>. **A request for a public hearing must be submitted to the AQMD by October 30, 2010. A copy of the public hearing request must also be sent by first class mail to the facility contact person, Mr. Eric Daley, Environmental Planning Supervisor, BP West Coast Products LLC, P.O. Box 6210, Carson, CA 90710-6210, at the same time.**

For your general information, anyone experiencing air quality problems such as dust, smoke or odors can telephone in a complaint to the AQMD, by calling 1-800-CUT-SMOG (1-800-288-7664).